SAF-RC-040 300 Area D4 Waste Characterization **Sampling - Other Solid** FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

No Distribution Required

KW 5/16/11 INITIAL/DATE

COMMENTS:

SDG D1110908 SAF-RC-040

Rad only

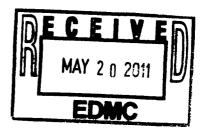
☑ Chem only

Rad & Chem

☑ Complete

Partial

Sample Location/Waste Site: Building 326





Cover

Page 1 of 7

Report Identification Number: D1110908

Subcontract Number: S003827A00

Name of Industrial Hygienist: Gwen Whatley / Debbie Gothard / Ken Way

Laboratory Identification Number: DCHM RC 040 JK 5/6/11

SAF#: RC-001 / RC-040-583

Sample Receipt Date: 04/19/2011

1105 YAI

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Sample Information

	Customer Sample	Laboratory Sample		Analytical Batch	
Sample Date	Number	Number	Method	Identification	Sample Matrix
04/08/2011	J1FXL7	1110908001	NIOSH 9002	65678	Bulk
04/08/2011	J1FXL8	1110908002	NIOSH 9002	65678	Bulk
04/08/2011	J1FXL9	1110908003	NIOSH 9002	65678	Bulk
04/08/2011	J1FXM0	1110908004	NIOSH 9002	65678	Bulk
04/08/2011	J1FXM1	1110908005	NIOSH 9002	65678	Bulk
04/08/2011	J1FXM2	1110908006	NIOSH 9002	65678	Bulk
04/08/2011	J1FXM3	1110908007	NIOSH 9002	65678	Bulk
04/08/2011	J1FXM4	1110908008	NIOSH 9002	65678	Bulk
04/08/2011	J1FXM5	1110908009	NIOSH 9002	65678	Bulk
04/08/2011	J1FXM6	1110908010	NIOSH 9002	65678	Bulk

I certify that this electronic image and all hardcopies produced from this image accurately represent the data and are in compliance with the contract specific requirements, both technically and for completeness, other than the conditions detailed above or in the sample data package narrative. Release, by submission through email, the data contained in this electronic image and the computer-readable EDD (as applicable), has been authorized by the laboratory Manager or the Manager's designee.

Phone: (801) 266-7700

FAX: (801) 268-9992

Name: Peter P. Steen Title: Chemist Date: May 04, 2011



Case Narrative

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Report Identification Number: D1110908

Subcontract Number: S003827A00

Name of Industrial Hygienist: Gwen Whatley / Debbie Gothard / Ken Way

Laboratory Identification Number: DCHM

SAF#: RC-001 / RC-040-583

Sample Receipt Date: 04/19/2011

General Workorder Information: There are ten samples in workorder 1110908 and ten samples in workorder 1110909 which were analyzed for asbestos in bulk material. No problems were encountered with the receipt of this sample.

Method Summary: All samples were examined for homogeneity. Non-homogeneous samples were ground to ensure homogeneity. Distinct layers were analyzed separately. The samples were prepared and examined for asbestos fibers utilizing the procedures outlined in NIOSH method 9002 (4th edition). A polarizing light microscope equipped with a 10x and a 16x eyepiece was used for the analysis. The area percentage of asbestos was estimated microscopically by a visual estimation of the fibers with a length-to-width aspect ratio of 3:1 or greater. If present, asbestos identities were confirmed with the appropriate refractive index oils applying dispersion staining techniques.

Sample Preparation: All samples were prepared in accordance with NIOSH method 9002 (4th edition).

Initial and Continuing Calibration Verification Analysis: N/A

Initial and Continuing Calibration Blank Analysis: N/A

Method Blank Analysis: N/A

Dilution(s): N/A.

Laboratory Control Sample and Duplicate Analysis: One Laboratory Control Sample (LCS) was prepared and analyzed with the sample batch. The results were within the control limit of +/- one reporting range.

Replicate Analysis: Two samples were replicated with this analysis batch.

Flagging Codes: None

Nonconformance/Corrective Action Report (NC/CAR): N/A

Sample Calculation: Sample results are reported by a visual estimation of the area percentage of asbestos. If necessary, a gravimetric ashing procedure may be used to remove certain non-asbestos material from the sample; a percentage calculation is used to correct for the removal of the non-asbestos material.

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FAX: (801) 268-9992

Web Page: www.datachem.com E-mail: lab@datachem.com



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FAX: (801) 268-9992

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Miscellaneous Comments:

1110908001: Gray, compacted floor tile. 1110908002: Gray, compacted cove base. 1110908003: White, powdery/fibrous drywall. 1110908004: Black, compacted material. 1110908005: Gray, compacted floor tile. 1110908006: Gray, compacted floor tile. 1110908007: Gray, compacted cove base. 1110908008: Black, compacted material. 1110908009: Gray, compacted floor tile. 1110908010: Gray, compacted floor tile. 1110909001: Gray, compacted floor tile. 1110909002: Black, compacted cove base. 1110909003: White, powdery drywall (asbestos found in joint compound). 1110909004: Brown, compacted paneling. 1110909005: Gray, fibrous insulation. 1110909006: Gray, fibrous insulation. 1110909007: Black, compacted cove base. 1110909008: Gray, compacted floor tile. 1110909009: White, powdery drywall. 1110909010: Yellow/gray, fibrous insulation.



Results

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Report Identification Number: D1110908

Subcontract Number: S003827A00

Name of Industrial Hygienist: Gwen Whatley / Debbie Gothard / Ken Way

Laboratory Identification Number: DCHM

SAF#: RC-001 / RC-040-583

Sample Receipt Date: 04/19/2011

Customer Sample Number	Laboratory Sample Number	Date Analyzed	Chrysotile	2	Amosite		Crocidolite
J1FXL7	1110908001	05/04/2011	<1	U	<1	U	<1 U
JIFXL8	1110908002	05/04/2011	<1	U	<1	U	<1 U
J1FXL9	1110908003	05/04/2011	<1	U	<1	U	<1 U
J1FXM0	1110908004	05/04/2011	<1	U	<1	U	<1 U
J1FXM1	1110908005	05/04/2011	<1	U	<1	U	<1 U
J1FXM2	1110908006	05/04/2011	<1	U	<1	U	<1 U
J1FXM3	1110908007	05/04/2011	<1	U	<1	U	<1 U
J1FXM4	1110908008	05/04/2011	<1	U	<1	U	<1 U
J1FXM5	1110908009	05/04/2011	<1	U	<1	U	<1 U
J1FXM6	1110908010	05/04/2011	<1	U	<1	U	<1 U
R	equired Detecti	on Limit (RDL)		1		1	1

	Laboratory Sample	Date	Actinolite/Tremolite	e	Anthophyllite
Customer Sample Number	Number	Analyzed	%		%
J1FXL7	1110908001	05/04/2011	<1	U	<1 U
J1FXL8	1110908002	05/04/2011	<1	U	<1 U
J1FXL9	1110908003	05/04/2011	<1	U	<1 U
J1FXM0	1110908004	05/04/2011	<1	U	<1 U
J1FXM1	1110908005	05/04/2011	<1	U	<1 U
J1FXM2	1110908006	05/04/2011	<1	U	<1 U
J1FXM3	1110908007	05/04/2011	<1	U	<1 U
J1FXM4	1110908008	05/04/2011	<1	U	<1 U
J1FXM5	1110908009	05/04/2011	<1	U	<1 U
J1FXM6	1110908010	05/04/2011	<1	U	<1 U
R	equired Detecti	on Limit (RDL)		1	1

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FAX: (801) 268-9992

U - Parameter not detected above LOD

J - Parameter between LOD and RDL

** - Not provided or unable to calculate

NA - Not Applicable



QC Summary

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Report Identification Number: D1110908

Subcontract Number: S003827A00

Name of Industrial Hygienist: Gwen Whatley / Debbie Gothard / Ken Way

Laboratory Identification Number: DCHM

SAF: RC-001 / RC-040-583

Sample Receipt Date: 04/19/2011

Batch ID: 65678

QC Sample ID	QC Type	Analyte	Units	Result	Target
QC107918	LCS	Anthophyllite	%	ND	ND
QC107918	LCSD	Anthophyllite	%	ND	ND
QC107918	LCS	Chrysotile	%	5	13
QC107918	LCSD	Chrysotile	%	10	13

MB - Method Blank

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MSD - Matrix Spike Duplicate

LD - Laboratory Duplicate

NA - Not Applicable

ND - Parameter not detected above LOD

LCS, LCSD Percent Rec. = (Result / Target) * 100.0

MS, MSD Percent Rec. = ((Result – Parent) / Target) * 100.0

LCS, LCSD Relative Percent Diff. = ((|LCS - LCSD|) / ((LCS + LCSD)/2.0)) * 100.

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MS, MSD Relative Percent Diff. = ((|MS - MSD|) / ((MS + MSD)/2.0)) * 100.

LD Relative Percent Diff. = ((|Parent - LD|) / ((Parent + LD)/2.0)) * 100



WCH-EE-011	FINAL SAMPLE Disposal Meta	Received	Relinguished By Removed From	Relinquished By/Removed From	A. Fresco W. L. Fresco	Recompanied By Removed From 1974 Day	Mile Methodisch 4/8/11	Reimquished by Removed from 100 4-9 11310	CHAIN OF POSSESSION	J1FXM1	J1FXM0	J1FXL9	J1FXL8	J1FXL7	Sample No.			None	Special Handling and/or Storage	Asbestos	POSSIBLE SAMPLE HAZARDS/REMARKS	Shipped To Ly 4-18-11 Fost America Richland (III)	VC210800302 ~ ~ 4/8/1	Prolect Designation 300 Area D4 Waste Characterization Sampling - Other Solid	Collector Inions/Deroos/Repko	Washington Closure Hanford
	hod	TOWN Start	Date/Time 4/2/1//1/10	Date/Time	Date/Ime 1,450	Date Time 1700	(400)	1310	1	OTHER SOLID 4	Matrix *	SAMPLE ANALYSIS		q	0780e		DSTEMARKS	ALS EL		zation Sampling - Other S		Hanford				
			Redeived By Stored In	Received By Stored In	Received By/Stored In	Received By Stored In	Received By/Spared	Miles M	Sign/Print Names	<				11-8-11	Sample Date	IS		F		 		Offsite P	<u> </u>		Company Mike S	CHL
					Fed E	Freeze	COMPANICE	Stankouch	Пes	0800	0758	0756	0754	0751	Sample Time		Volume	No. of Container(s)	Type of Container	Preservation		Offsite Property No.	Field Logbook No. EL-1518-18	Sampling Location Building 326	Company Contact Mike Stankovich	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST
		Tide	Date Time	DeterTime	Date/Time	OtherTime 1400	Choc 1.8.11	4/8/11 1310		X	Х	X N	ν×	×		Asbetto- Bult - MIOSH 9002	60g		S/P	Ngme					Telephone No. 5094307142	TODY/SA
				ł	l) E		SPECIAL	MG12RA	MGFF1	MCKEO	MGCRX	MGRET 4									COA RD4MXX2F00		No. 142	MPLE A
	Disposed By		٨	e Paramen	Ī	****			SPECIAL INSTRUCTIONS	_				11-81 4												VAL YSIS
				DATE /	R	REVIEWED			NS													Bill of Lading/Air Bill No.	Method of Shipment Hand Deliver. 43 4 48 -11	SAF No. RC-040	Project Coordinator KESSNER, JH	REQUEST
	D DI	-	REVIEWED			(10分数是A02105	Dia 4/5#														11 No. 7946 6527	1.18-11 1-64 EX		Price Code 9K	RC-040-583
	Date:Time	Alalist 94:		X=(3)bn	VI-Wipe				Al Matrix •													819: 75		7 Days	Data Turnaround	Page 1 of 2

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COC



2011-04-19-1110908-02

		COLLEGE COLLEGE	3	1			DC 040 502	2
Washington Closure Hanford) (2)	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	UUY/SA	WIPLE /	ANALYS	IS REQUEST	NC-040-202	4
Collector Inions/Deroos/Repko	Compa Mike	Company Contact Mike Stankovich	Telephone No. 5094307142	7142		Project Coordinator KESSNER, JH	Price Code 9K	Data Turnaround
Project Designation 300 Area D4 Waste Characterization Sampling - Other Solid		Sampling Location Building 326				SAF No. RC-040		7 Days
VCH0800392 / 1 1 4/8/11		Field Logbook No. EL-1518-18		COA RD4MXXZF00	00	Method of Shipment Hand Deliver Af 4-18	" Fred	ا مریخ
靠님	Offsite NA	Offsite Property No. NA				Bill of Lading/Air Bill No.	110. 7946 6521	1976
POSSIBLE SAMPLE HAZARDS/REMARKS								
Ashestos		Preservation	None					
Cooking Wandling and/or Cooking		Type of Container	G/P					
None		No. of Container(s)	1					
		Volume	£06					
Sample analysis	SIS		Asbestos- Bulk - NIOSH 9002					
						4000		
Sample No. Matrix *	Sample Date	Sample Time						
J1FXM2 OTHER SOLID	11-8-11	0802	×	MGERY,	Af4.18-11			
J1FXM3 OTHER SOLID		2804		MG Spe				
J1FXM4 OTHER SOLID		20.30	×	MGKR7				
J1FXM5 OTHER SOLID		8030	1	MERES				
J1FXM6 OTHER SOLID	<	081	×	MG REGI	_			
NOIS	Sign/Print Names	nes	. 1		SPECIAL INSTRUCTIONS	TIONS		
Relinquished By/Removed From John 18-11 1310	MULL 1	18 tankou	1/8/11	ــــــــــــــــــــــــــــــــــــــ			e't-	SP-Sodiacnt
Relinquished By/Removed from WCAL Date Time MULL MSTANDOVED 46/11/400	Received By Stort	Received By Started in Title Date	Make 4.8.11	308)	Die 4.15	
F 1	Received By/Stored In	Received By/Stored In A. 1701 CT Chicken	Date/Time 145 5 4 -18 -11	(1		REVIEWED	50 G #M4 02/05	
Relinquished Bythemoved From 12 C H Date Time 1490 A. Freier Q. Freier 4-18-11	Received By/Stored In	Food Ex	Date/Time			DATE	F8+#7:00	DOGC 607 Wester
Relinquished By/Removed From Date/Time	Required By Stored In		Date/Time #[a ₁₁ %]	6-		1-8-H		X=Other
Reliaguished By/Removed From Date/Time HEN 16	Received By/Stored In		Date/Time/			(REVIEWED	
SECTION Received By MAN ZALLED			Tide				388	H/K// 946
PENAL SAMPLE Disposal Method					Disposed By	Ву	4-18-11	Date Time
WCH-EE-011								

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